

WHAT IS CLAIMED IS:

1. An outer mirror comprising:
a mirror base attached on a side of an automobile and
5 extending outward from said side of said automobile, and
a mirror housing suspended underneath said mirror base
in which an antenna unit is installed.
2. An outer mirror as defined in Claim 1, wherein,
10 said mirror base has a fixing means that can fix said antenna
unit and can adjust a fixing angle of said antenna unit therein.
3. An outer mirror as defined in Claim 1, wherein,
15 an electrical connector that is connected to said antenna unit
is placed in said mirror base or in said automobile
specifically in a part adjacent to said mirror base.
4. An outer mirror as defined in Claim 2, wherein,
20 an electrical connector that is connected to said antenna unit
is placed in said mirror base or in an automobile specifically
in a part adjacent to said mirror base.
5. An outer mirror as defined in Claim 1, wherein,
25 said antenna unit has a capability of receiving a plural radio
wave bands.
6. An outer mirror as defined in Claim 2, wherein,
said antenna unit has a capability of receiving plural radio
wave bands.
- 30 7. An outer mirror as defined in Claim 3, wherein,
said antenna unit has a capability of receiving plural radio
wave bands.

8. An outer mirror as defined in Claim 4, wherein, said antenna unit has a capability of receiving a plural radio wave bands.

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9. An outer mirror as defined in Claim 1, wherein, said mirror base comprises a base body to which said antenna unit is installed and an outer cover which covers a top of said mirror base and is made of a radio wave transmittable material.

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10. An outer mirror as defined in Claim 2, wherein, said mirror base comprises a base body to which said antenna unit is installed and an outer cover which covers a top of said mirror base and is made of a radio wave transmittable material.

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11. An outer mirror as defined in Claim 3, wherein, said mirror base comprises a base body to which said antenna unit is installed and an outer cover which covers a top of said mirror base and is made of a radio wave transmittable material.

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12. An outer mirror as defined in Claim 4, wherein, said mirror base comprises a base body to which said antenna unit is installed and an outer cover which covers a top of said mirror base and is made of radio wave transmittable material.

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13. An outer mirror as defined in Claim 5, wherein, said mirror base comprises a base body to which said antenna unit is installed and an outer cover which covers a top of said mirror base and is made of a radio wave transmittable material.

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14. An outer mirror as defined in Claim 6, wherein, said mirror base comprises a base body to which said antenna unit is installed and an outer cover which covers a top of said

mirror base and is made of a radio wave transmittable material.

15. An outer mirror as defined in Claim 7, wherein,
said mirror base comprises a base body to which said antenna
5 unit is installed and an outer cover which covers a top of said
mirror base and is made of a radio wave transmittable material.

16. An outer mirror as defined in Claim 8, wherein,
said mirror base comprises a base body to which said antenna
10 unit is installed and an outer cover which covers a top of said
mirror base and is made of a radio wave transmittable material.

17. An outer mirror as defined in Claim 1, wherein,
said mirror base comprises a base body to which said antenna
15 unit is installed and an outer cover which covers a top of said
mirror base and is made of an infrared light transmittable
material or is made of a material of which surface is finished
by a material that allows infrared light to transmit through
said outer cover.

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18. An outer mirror as defined in Claim 2, wherein,
said mirror base comprises a base body to which said antenna
unit is installed and an outer cover which covers a top of said
mirror base and is made of an infrared light transmittable
25 material or is made of a material of which surface is finished
by a material that allows infrared light to transmit through
said outer cover.

19. An outer mirror as defined in Claim 3, wherein,
30 said mirror base comprises a base body to which said antenna
unit is installed and an outer cover which covers a top of said
mirror base and is made of an infrared light transmittable
material or is made of a material of which surface is finished

by a material that allows infrared light to transmit through said outer cover.

20. An outer mirror as defined in Claim 4, wherein,
5 said mirror base comprises a base body to which said antenna unit is installed and an outer cover which covers a top of said mirror base and is made of an infrared light transmittable material or is made of a material of which surface is finished by a material that allows the infrared light to transmit through
10 said outer cover.

21. An outer mirror as defined in Claim 17, wherein, an inner surface of said mirror base is frost-painted.

15 22. An outer mirror as defined in Claim 18, wherein, an inner surface of said mirror base is frost-painted.

23. An outer mirror as defined in Claim 19, wherein, an inner surface of said mirror base is frost-painted.

20 24. An outer mirror as defined in Claim 20, wherein, an inner surface of said mirror base is frost-painted.

25 25. An automobile having a pair of outer mirrors as defined in one of Claim 1 to Claim 24 on both left and right hand sides of said automobile.

26. A surrounding area monitoring device constructed with an outer mirror that comprises:

30 a mirror base attached on a side of an automobile and extending outward from said side of said automobile, and;
a mirror housing suspended underneath said mirror base in which a viewing camera is installed.

27. A surrounding area monitoring device as defined in
Claim 26, wherein,
plural viewing cameras are installed in said mirror base.

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28. A surrounding area monitoring device as defined in
Claim 26, wherein,
said viewing camera features to be installed to have a
capability of arbitrarily rotation.

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29. A surrounding area monitoring device as defined in
Claim 27, wherein,
said plural viewing cameras feature to be installed to have
a capability of arbitrarily rotation.

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30. A surrounding area monitoring device as defined in
one of Claims 26 to Claims 29 having said viewing camera
attached on an upper surface of said mirror base.

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31. A surrounding area monitoring device comprising:
a salient block attached on a side of an automobile and
extending outward from said side of said automobile, and;
a viewing cameras installed in said salient block.

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32. A surrounding area monitoring device defined in
Claim 31 or Claim 32, wherein,
plural viewing cameras are installed in said salient block.

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33. A surrounding area monitoring device defined in
Claim 31, wherein,
said viewing cameras features to be installed to have a
capability of arbitrarily rotation.

34. An automatic anti-glare outer mirror comprising:
a mirror base extending outward from a side of an
automobile, and;

5 a mirror housing, to which an EC mirror of which
reflectivity is variable by EC film, attached to said mirror
base in which a surrounding light sensor to detect surrounding
light and a back side light sensor to detect back side lights
are installed, wherein, said automatic anti-glare outer mirror
features to have a control means that controls reflectivity
10 of said EC mirror in accordance with said surrounding light
detected by said surrounding light sensor and said back side
lights detected by said back side light sensor.

35. An automatic anti-glare outer mirror defined in
15 Claim 34, wherein,
said control means is installed in said mirror base.

36. An automatic anti-glare outer mirror comprising:
an EC mirror of which reflectivity is variable by EC film,
20 a surrounding light sensor to detect surrounding light and
the back side light sensor to detect back side light,
and;

25 a control means that control the reflectivity of the EC
mirrors using sensor signals obtained by a surrounding light
sensor and said back side light sensor to detect back side light,
wherein, said surrounding light sensor and said back side light
sensor are installed in a mirror base which extends outward
from a side of an automobile.